

REMARKS

Claims 1 – 35 are currently pending. Applicant thanks the Examiner for indicating that claim 35 is allowable. Claims 1 – 34 have been rejected. Applicant respectfully traverses these rejections.

I. Drawings

The drawings were objected to under 37 CFR 1.83(a) for not showing every feature of the invention specified in the claims. Particularly, the Examiner indicated that the “second screen” and “wherein said visible video images and said invisible light signals are transmitted through a common lens concurrently” must be shown or the features cancelled from the claims. Applicant has added a new Figure 1A to show the embodiment described in the specification having “a second screen.” Applicant submits that the feature “wherein said visible video images and said invisible light signals are transmitted through a common lens concurrently” is illustrated in Figures 2A, 2B and 2C, which all show signals generated by transmitter 12 being projected through lens 26 along with the visible images.

Applicant respectfully requests withdrawal of the Examiner’s objections to the drawings.

II. Claim Rejections – 35 U.S.C. §102

Claims 1 – 3, 5, 6, 8, 9, 11 – 14, 16 – 18, 21 – 25, 27 – 30 and 32 – 34 are rejected as being anticipated by Harrison *et al.*, U.S. Patent No. 5,666,422. Applicant respectfully traverses.

Independent claims 1, 21, 30 and 33 all relate to projection systems (or methods relating thereto) that include the ability to project invisible light signals, which represent secondary information associated with visible video images, onto a screen. For example, claim 1 is directed to a projection system having “a secondary signal transmitter configured to project invisible light signals onto said screen...” Applicant submits that Harrison does not disclose this feature.

Harrison discloses a remote speaker for surround sound applications. A transmitter unit (radio frequency (RF) or infrared (IR)) connected to a conventional television transmits audio signals directly to a receiver unit in communication with the remote audio speaker. *See, e.g.*,

Figure 1 and col. 3, lines 45-60. Harrison does not teach projecting invisible light signals representing secondary information onto a screen, as recited in independent claims 1, 21, 30 and 33.

Figures 1 and 3 of Harrison illustrate the only disclosed embodiment involving the transmission of audio information to a remote speaker *via invisible light signals*. In Figures 1 and 3, a transmitter unit 2 transmits audio information to a remote receiver/speaker via IR signaling generated through a diode 3. But Harrison does not teach projecting the IR signal onto the television screen or any other screen. Rather, Harrison explicitly describes projecting the IR signal to the receiver/speaker:

The transmitter unit (1) in FIG. 1 transmits the difference sound information, which is a single monaural signal (L-R or R-L), via the IR transmitter diode (3) to the IR detector (11) on the remote speaker amplifier/receiver unit (8), which is located behind the listener (7). *See*, col. 3, lines 54-58.

The remaining embodiments described by Harrison transmit the audio information using RF signals – i.e., **not** invisible light signals, as recited in claims 1, 21, 30 and 33.

Therefore, Harrison does not describe a system that transmits secondary information via invisible light signals to a screen. For at least this reason, Applicant respectfully submits that independent claims 1, 21, 30 and 33 are allowable over the cited prior art. Dependent claims 2-20, 22-29, 31-32 are allowable for at least the same reasons.

III. Claim Rejections – 35 U.S.C. §103

Claims 4, 7, 10, 15, 19, 20, 26, and 31 were rejected under §103 in light of Harrison as modified by various other prior art references. As set forth above, Harrison does not disclose a system that projects secondary information via invisible light signals onto a screen. None of the secondary prior art references cure this deficiency. Therefore, claims 4, 7, 10, 15, 19, 20, 26 and 31 are all allowable for at least the reasons set forth above.

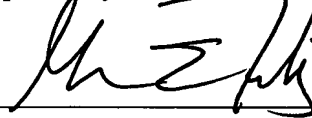
CONCLUSION

All objections and rejections having been addressed, it is respectfully submitted that the present Application is in condition for allowance and such action towards these ends is respectfully requested.

Any fees associated with the filing of this paper should be identified in any accompanying transmittal. However, if a fee is due, please charge Deposit Account No. 08-2025, under Order No. 200308970-1.

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Respectfully submitted,

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REPLACEMENT DRAWINGS

AMENDMENTS TO THE DRAWINGS

In response to the objections made to the drawings under 37 CFR 1.83(a), Applicant respectfully requests re-consideration of the application in view of the proposed drawing corrections attached hereto. Applicant submits that no new matter has been added by this proposed drawing correction and that support for this Amendment may be found on page 2, paragraphs 10 and 11, and page 4, paragraph 14. The attached sheets of drawings include a new Figure 1A. Also, to accommodate for the addition of Figure 1A, renumbering changes were made to Figures 1, 2A, 2B and 2C.

Attachment: Replacement sheets 1 - 5